

## SECTION I. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

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### 1-1. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

a. The call for stringent application of PMCS procedures is issued throughout the Army Medical Department (AMEDD). Your vigilance is needed in following the required procedures in maintaining medical equipment. Medical equipment must be inspected and serviced systematically and periodically to ensure that it is ready for operation at all times. Inspection will reveal defects that can be corrected before they result in serious damage or failure.

b. Medical equipment will be maintained to 10/20 standards as published in equipment technical manuals (TMs) or to the operational standards published in the manufacturer's operator or service literature. In the absence of a TM, the generic standards established in Table A-1 and Table B-1, in conjunction with the requirements of the manufacturer's literature, will be used.

c. Complete PMCS will be performed before placing Army equipment in administrative storage. When equipment is removed from storage, perform PMCS to ensure its operational readiness. Results of the equipment inspection will be documented on DA Form 2404. All discrepancies will be annotated with corrective action required and steps taken to correct the deficiency.

d. SB 8-75-S8 is used to update 10/20 standards for medical equipment and will include additional standards for newly fielded medical equipment. Each new publication of SB 8-75-S8 supersedes the previous year's edition. Equipment specific 10/20 PMCS and Maintenance Allocation Chart (MAC) updates will be available through the Maintenance Directorate website at <http://www.armymedicine.army.mil/usamma/maintenance>. The 10/20 PMCS and MAC update is an ongoing project. New releases will be posted as they are developed.

e. SB 8-75-S8 will be used when discrepancies are encountered with the 10/20 standards published in the equipment's TM. Standards published in the manufacturer's literature will take precedence over SB 8-75-S8.

### 1-2. OPERATOR LEVEL PMCS

a. The tables listed in Appendix A contain a list of tasks to be performed by unit-level operator/user personnel. These PMCS tables are also referred to as "10 PMCS" requirements. Preventive maintenance by operator/user personnel is not limited to performing the checks and services listed in the tables. There are tasks the operator/user must do any time the equipment is used or stored, such as checking for general cleanliness, observing for improper operational indicators, and maintaining the proper quantities of operating supplies.

b. The following is a list of PMCS table column headings with a description of the information found in each column:

(1) Item Number. This column shows the sequence in which to do the PMCS, and is used to identify the equipment area on the DA Form 2404.

(2) Interval. This column shows when each PMCS item is to be serviced:

B – Before Operation,	Q – Quarterly, and
D – During Operation,	S – Semiannually.
A – After Operation,	

B, D, and A should be performed with daily use of the equipment.

(3) Item to be Inspected and Procedure. This column identifies the general area or specific part to be checked or serviced.

(4) Equipment is not Ready/Available If. This column lists conditions that make the equipment unavailable or unusable.

c. When the equipment must be kept in continuous operation, check and service only those items that will not disrupt operation. Perform the complete daily checks and services when the equipment can be shut down.

d. Operator/user personnel will report problems with medical equipment discovered during their "10 PMCS" that they are unable to correct. Refer to TB 38-750-2, *Maintenance Management Procedures for Medical Equipment*, and report the deficiency using the proper forms. Consult with your unit's Medical Equipment Repairer if you need assistance.

e. The following is a list of the "10 PMCS" charts located in Appendix A. This list identifies the table number, the TM number and the name of the equipment, and the page number.

TABLE	TM AND EQUIPMENT NAME	PAGE
A-1	Generic Standards	A-1
A-2	TM 8-4110-001-24&P, Refrigerator, Mechanical Blood Bank	A-3
A-3	TM 8-4110-002-14&P, Refrigerator, Solid State, Biological, Mdl DLA-50T	A-4
A-4	TM 8-6515-001-24&P, Anesthesia Apparatus	A-5
A-5	TM 8-6515-003-24&P, Electrosurgical Apparatus, Mdl Force 2	A-7
A-6	TM 8-6515-004-24&P, Suction Apparatus, Oropharyngeal, Mdl 308M	A-10
A-7	TM 8-6515-005-24&P, Bronchoscope, Flexible, Fiberoptic, Mdls F3 and F3G	A-11
A-8	TM 8-6515-006-24&P, Endoscopic Light, Mdl 52-1201	A-12
A-9	TM 8-6515-007-24&P, Endoscopic Light, Mdl DLMP-300	A-13
A-10	TM 8-6515-008-24&P, Suction Apparatus, Surgical, Mdl 6003	A-14
A-11	TM 8-6515-009-24&P, Drainage Unit, Pleural Cavity, Mdl 6053	A-15
A-12	TM 8-6515-010-14&P, Arthroscopic Surgical Unit	A-16
A-13	TM 8-6515-012-14&P, Clinical Thermometer	A-17
A-14	TM 8-6515-013-14&P, Suction Apparatus, Mdl 306M	A-18
A-15	TM 8-6520-001-24&P, Dental Operating Light Set, Field, Pelton & Crane Mdl LF II	A-19
A-16	TM 8-6520-002-24&P, Dental Operating Unit, ADEC Mdl 3406 Porta-Cart	A-20
A-17	TM 8-6520-003-24&P, Dental Compressor-Dehydrator, Mdl M5B	A-21
A-18	TM 8-6520-004-14&P, Dental Operating Chair and Stool Unit, Portable, Mdl CM-185	A-22
A-19	TM 8-6530-004-24&P, Sterilizer	A-23
A-20	TM 8-6530-005-24&P, Ultrasonic Cleaner, Mobile	A-26

A-21	TM 8-6530-007-24&P, Solution Warming Cabinet, Mdl 5520	A-27
A-22	TM 8-6530-008-24&P, Solution Warming Cabinet, Mdl 5550	A-28
A-23	TM 8-6530-009-24&P, Ventilator, Volume, Portable, Mdls 750 and 750M	A-29
A-24	TM 8-6530-010-24&P, Surgical Field Light	A-30
A-25	TM 8-6530-011-14&P, Operating Field Table	A-32
A-26	TM 8-6540-002-14&P, Ophthalmic Slit Light	A-33
A-27	TM 8-6545-001-24&P, Field Surgical Scrub Sink	A-34
A-28	TM 8-6640-001-24&P, Centrifuge, Laboratory, Mdl SERO-FUGE II	A-35

### 1-3. REPAIRER LEVEL PMCS

a. The tables listed in Appendix B contain a list of tasks to be performed by the unit level repairer. These PMCS tables are also referred to as “20 PMCS” requirements.

b. The following is a list of PMCS table column headings with a description of the information found in each column:

(1) Item Number. This column shows the sequence in which to do the PMCS, and is used to identify the equipment area on DA Form 2404.

(2) Interval. Table B-1 contains generic standards that show when each PMCS item is to be serviced: S – Semiannually and A – Annually. Tables B-2 through B-28 are item specific standards and show when items are to be serviced. The intervals for these tables are Q – Quarterly and S – Semiannually.

(3) Item to be Inspected and Procedure. This column identifies the general area or specific part to be checked or serviced.

(4) Equipment is not Ready/Available If. This column lists conditions that make the equipment unavailable or unusable.

c. When the equipment must be kept in continuous operation, check and service only those items that will not disrupt operation. Perform the complete daily checks and services when the equipment can be shut down.

d. The following list is the “20 PMCS” charts located in Appendix B. This list identifies the table number, the TM number and the name of the equipment, and the page number.

TABLE	TM AND EQUIPMENT NAME	PAGE
B-1	Generic Standards	B-1
B-2	TM 8-4110-001-24&P, Refrigerator, Mechanical Blood Bank	B-3
B-3	TM 8-4110-002-14&P, Refrigerator, Solid State, Biological, Mdl DLA-50T	B-4
B-4	TM 8-6515-001-24&P, Anesthesia Apparatus	B-5
B-5	TM 8-6515-003-24&P, Electrosurgical Apparatus, Mdl Force 2	B-7
B-6	TM 8-6515-004-24&P, Suction Apparatus, Oropharyngeal, Mdl 308M	B-8
B-7	TM 8-6515-005-24&P, Bronchoscope, Flexible, Fiberoptic, Mdls F3 and F3G	B-9
B-8	TM 8-6515-006-24&P, Endoscopic Light, Mdl 52-1201	B-10
B-9	TM 8-6515-007-24&P, Endoscopic Light, Mdl DLMP-300	B-11
B-10	TM 8-6515-008-24&P, Suction Apparatus, Surgical, Mdl 6003	B-12
B-11	TM 8-6515-009-24&P, Drainage Unit, Pleural Cavity, Mdl 6053	B-13
B-12	TM 8-6515-010-14&P, Arthroscopic Surgical Unit	B-14
B-13	TM 8-6515-012-14&P, Clinical Thermometer	B-15
B-14	TM 8-6515-013-14&P, Suction Apparatus, Mdl 306M	B-16
B-15	TM 8-6520-001-24&P, Dental Operating Light Set, Field, Pelton & Crane Mdl LF II	B-17
B-16	TM 8-6520-002-24&P, Dental Operating Unit, ADEC Mdl 3406 Porta-Cart	B-18
B-17	TM 8-6520-003-24&P, Dental Compressor-Dehydrator, Mdl M5B	B-19
B-18	TM 8-6520-004-14&P, Dental Operating Chair and Stool Unit, Portable, Mdl CM-185	B-21
B-19	TM 8-6530-004-24&P, Sterilizer	B-22
B-20	TM 8-6530-005-24&P, Ultrasonic Cleaner, Mobile	B-25
B-21	TM 8-6530-007-24&P, Solution Warming Cabinet, Mdl 5520	B-26
B-22	TM 8-6530-008-24&P, Solution Warming Cabinet, Mdl 5550	B-27
B-23	TM 8-6530-009-24&P, Ventilator, Volume, Portable, Mdls 750 and 750M	B-28
B-24	TM 8-6530-010-24&P, Surgical Field Light	B-29

<b>TABLE</b>	<b>TM AND EQUIPMENT NAME</b>	<b>PAGE</b>
B-25	TM 8-6530-011-14&P, Operating Field Table	B-31
B-26	TM 8-6540-002-14&P, Ophthalmic Slit Light	B-32
B-27	TM 8-6545-001-24&P, Field Surgical Scrub Sink	B-33
B-28	TM 8-6640-001-24&P, Centrifuge, Laboratory, Mdl SERO-FUGE II	B-35